MT 50

Slim Notebook

Preface

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Conventions of This Manual

Use this manual will help you get the most from your computer.

If you are an experienced user of computers and/or Microsoft's Windows operating systems, you might find it useful to read the Quick Start Guide that comes along with your accessories.

If you are a less experienced user, you should go through the manual carefully before using your system.

Whether or not you are an experienced user, you should consult the Troubleshooting Chapter if you encounter any problems with your computer.

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Safety

Safety Precautions

This section is designed to assist you in identifying potentially unsafe conditions while working with this product. Required safety features have been installed in the computer to protect you from injury. However, you should use good judgment to identify potential safety hazards:

Please read these safety instructions carefully.

1. Please keep this User's Manual for later reference.
2. Please disconnect this equipment from AC outlet before cleaning. Don't use liquid or sprayed detergent for cleaning. Use moisture sheet or cloth for cleaning.
3. For pluggable equipment, that the socket-outlet shall be installed near the equipment and shall be easily accessible.
4. Please keep this equipment from humidity.
5. Lay this equipment on a reliable surface when installed. A drop or fall could cause injury.
6. Make sure to use the right voltage for the power source when connecting the equipment to the power outlet.
7. Place the power cord in such a way that people can not step on it. Do not place anything on top of the power cord.
8. All cautions and warnings on the equipment should be noted.
9. If the equipment is not used for a long time, disconnect the equipment from the main power outlet to avoid being damaged by transient overvoltage.

10. Never pour any liquid into the opening, this could cause fire or electrical shock.

11. Never open the equipment. For safety reasons, the equipment should only be opened by a qualified service personnel.

12. If on the following situation arises, get the equipment checked by a service personnel:

- The Power cord or plug is damaged.
- Liquid has penetrated into the equipment.
- The equipment has been exposed to moisture.
- The equipment has not worked well or you cannot get it work according to the user's manual.
- The equipment has dropped and damaged.
- If the equipment has obvious signs of breakage.

13. Do not leave this equipment in an environment unconditioned, storage temperature above 60°C (140°f), it may damage the equipment.

14. The unit can be operated at an ambient temperature of max. 5°C ~ 35°C.

15. The sound pressure level of the operator's position according to IEC 704-1: 1982 is equal or less than 70 dB(A).

16. Power Cord Requirements
The power cord set used with the AC adaptor must meet the requirements of the country where you use the AC adaptor, whether it is 100-240 Vac. The following information explains the requirements for power cord set selection.

17. The cord set must be approved by the country in which it is used.

18. The appliance coupler must have a configuration for mating with a CEE7/EN60320/IEC 320/NEMA/ JIS C 8303 appliance inlet.

For U.S. and Canada:

- The cord set must be UL Listed and CSA Certified.
- The minimum specifications for the flexible cord are No. 18 AWG, (2) Type SPT-2, and (3) 2-conductor.

For Japan:

- All components of the cord set must bear a “PSE” mark and in accordance with the Japanese Dentori Law.
- The minimum specifications for the flexible cord are .75m m^2 conductors, (2) Type VCTR or VCTFK, and (3) 2-conductor.
- The cord set must have minimum rated current capacity of 7 A.
- The attachment plug must be a two-pole, grounded type with a Japanese Industrial Standard C8303 (15 A, 125 VAC) configuration.

For Other Countries:

- The cord set fittings must bear the certification mark of the agency responsible for evaluation in a specific country.
- The flexible cord must be of a HAR (harmonized) type H03VVH2-F.
- The cord set must have a current capacity of a least 2.5 Amperes and voltage rating of 125 or 250 Vac.

MODEL MT50INx (X=0~9) IS DESIGNED TO USE WITH THE FLLOWING AC ADAPTER MODEL ONLY 90W ADP, 2 pin & 3 pin LV5:

- Delta Electronic Inc.
  - DELTA ADP-90SB AB 1A225RV LF (90W, 2pin)
  - DELTA.ADP-90SB BB 1A325RV (90W, 3pin)

19. When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons. These precautions include the following:

20. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

21. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special instructions.

22. Do not use the AC adapter near open water or other liquids. Never spill liquid into the AC adapter.

23. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Never remove the battery pack while the power is on as this may result in data loss when the system loses power.

24. The input receptacle is used as the main disconnecting device.

25. Be sure to unplug the AC adapter or remove the power supply before repairing or changing the battery by an experienced technician.

EMC Precautions

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference and

(2) This device must accept any interference received, including interference that may cause undesired operation.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Things you must remember before working on your computer

Let your computer acclimate itself

Your computer can easily stand temperature extremes but it doesn't like rapid changes in temperature, like going from the cold outdoors to a warm office.

Rapid changes in temperature can cause water droplets to condense inside your case, threatening to damage the electronic parts inside.

After receiving your computer when it's hot or cold outside, try not to power up the computer immediately, let the computer adjust to the room temperature gradually at least for three to four hours.

If your system arrives in cold weather, do not apply power to the computer or monitor until they have been allowed to come to room temperature.

Operating Environment

You can use your computer under a wide range of environmental conditions. However, to ensure long use and continued high performance, consider the following factors when setting up your computer:

- Set the computer on a flat, stable surface. To prevent damage to the computer's hard disk drive, avoid using the computer where it will be exposed to strong vibration.

- The openings on the computer are provded to protect the computer from overheating. Do not block the air flow around the computer. To ensure reliable operation, leave about 10 cm (4 inches) around the computer for unobstructed air circulation. .
- Check the cable and power connectors periodically. If you are using the computer with the AC adapter, do not allow anything to rest on the power cord. Do not place the computer where people can step on or trip over the cord.
- Do not smoke near your computer.
- Do not eat near or place liquids near your computer.
- Avoid dusty environments, as dust can cause damage to disks and disk drives.
- Never subject your computer to sudden shocks or extreme vibration. Do not drop it or knock it with other equipment.
- Clean your computer's exterior casing occasionally with a soft cloth. Unplug the computer from the wall outlet and remove the battery pack before cleaning. Never use solvents like thinner or benzene, or abrasive cleanser, because these may damage the cabinet. After cleaning, allow 30 minutes drying time.
- Clean your keyboard when needed. This can be done with a soft cloth as well as with a keyboard vacuum cleaner.
- Avoid using or storing the computer where it will be exposed to extreme temperatures. In particular, do not leave the computer in direct sunlight, over a radiator, or near a heat source for a long period of time. High temperature can damage the circuitry.

Tour of your Slim Notebook

Welcome to your Slim Notebook

Slim Notebook are designed to be very thin and light, have good battery life, be more secure and have good performance.

Your Slim Notebook features the latest advances in portable computing technology. The Slim Notebook's modular design provides maximum expandability without compromising portability.

The Slim Notebook's state-of-the-art ergonomic design and sophisticated architecture provides you with a portable personal computer that is compact, powerful, and easy to use.

The system supports numerous connectors that allows you to connect digital video camera, digital camera, and other compatible electronic appliances.

Front View

With the LCD screen open, you will see several features important for operating your Slim Notebook computer.

Each of these features is briefly described below.

#	Item	Description
1.	**Webcam**	Web camera for video communication.
2.	**Screen Display**	Display computer output.
3.	**Speaker and LED**	Build-in 2 speakers
4.	**Power/Suspend Button**	Press momentarily to turn on the system. Pressing this button when

		the computer is in Suspend mode will resume normal operation.
	■ Power ON: Turn on system while pressing the power button over 1.5 seconds. ■ Power OFF: Turn off the system while pressing the power button over 1 second in after POST stage (Power On Self Test). ■ Emergency shutdown: Turn off system while pressing the power button over 4 seconds in after POST stage (Power On Self Test).	
5.	**MMB**	Recovery, Silent mode, Touchpad lock, Internet Browser, Media player application, Play/Pause, Stop mode, volume down, volume up on

	Silent Mode – System enters saving mode.
	Touchpad lock – Enable/disable the touchpad application
	Internet Browser –retrieving, presenting, and traversing information resources on the web.
	Media Player Application - easy access all of your music, videos, pictures, and recorded TV on your computer.
	Play/Pause – Play or pause your current media application.
	Stop Mode – Stop all current media application.
	Volume down/Up –

		Increase/decrease the volume.
6.	**Keyboard**	For entering data into your computer.
7.	**Touchpad**	Touch-sensitive interface solution that senses the position of a user's finger (or fingers) on its surface to provide screen navigation, cursor movement, application control, and a platform for interactive input.
8.	**Touchpad buttons**	The buttons below the TouchPad correspond to the left and right buttons on a standard mouse.
9.	**LED Indicator**	The system status indicators, keeps you informed of the computer's operating status.

- Power – When lit blue indicates that the Slim Notebook is powered on.
- RF – Lit blue light. Receive Wireless signal
- HDD – Lit blue light. Indicates that the computer is accessing the hard disk drive.
- Battery – Indicates battery status
  - Charging: Blinking blue light
  - Full: blue light
  - Battery Low (<6%): Blinking red

10.	**6-in-1 CardReader**	Accepts Secured Digital (SD , SDHC , SDXC , MMC , MS, MS Pro) memory card. NOTE.... **To remove the card, simply pull it from the slot.**

Right View

#	Item	Description
1.	Audio Jack	Use the External headphone out + Microphone in jack to connect an external headphone set.
2.	USB 2.0 Port	USB 2.0 ports are used in conjunction with a number of digital devices, allowing simple connection and widespread compatibility across many computers.
3.	Optical Disk Drive	Optical disc drives are an integral part of stand-alone consumer appliances such as CD players, DVD players and DVD recorders.

Left View

#	Item	Description
1.	USB 3.0 Port	This port conforms to the latest USB3.0 plug-and-play standards.
2.	HDMI Port	Compact audio/video interface for transmitting uncompressed digital data.
3.	CRT Port	Connect to an external monitor.
4.	LAN Connector	Note: When using a LAN, please use an EMI Shielding Cable to minimize an inteference when transmitting.
5.	Power Jack (DC-in)	The DC-out jack of the AC Adapter connects here and power on the computer.
6.	Kensington	Your computer includes a keyhold to be used with a standard Kensington

	Lock	lock. You can connect the Slim Notebook lock toa large object with the Kensington lock to prevent theft of your Slim Notebook.

The Bottom View

#	Item	Description
1.	Battery Release Latch	Push this latch to release the battery from its bay.
2.	Battery	Your Slim Notebook comes equipped with a factory-installed battery pack module.
3.	Battery Lock	Push this button to unlock the Battery. This button must be in unlock position in order to remove the Battery.

Connecting to a Power Source

A universal AC adapter is provided to supply your computer with power. The adapter's AC input voltage can range anywhere from 100 to 240 volts, covering the standard voltages available in almost every country. The power cord for the AC adapter requires a three-hole grounded AC outlet. To connect the computer to an external power source:

Do not use inferior extension cords as this may result in damage to your computer. The computer comes with its own AC adapter. Do not use a different adapter to power the computer and other electrical devices.

Never turn off or reset or move your comptuer while the hard disk is in use; doing so can result in loss or destruction of your data. Always wait at least 5 seconds after turning off your computer before turning it back on; turning the power on and off in rapid succession can damage the computer's electrical circuitry.

Installing and Removing the Battery Pack

To Install the Battery Pack:

To Remove the Battery Pack:

Charging the Battery Pack

The installed battery pack charges automatically any time the computer is connected to the AC adapter and an external power source. It is a good idea to occasionally discharge the battery pack fully to preserve its operating performance.

- 6 cell 4400mAh: > 3.5 hours
- 8 cell 4400mAh: > 4.6 hours

Powering up the Slim Notebook Computer

At the top of this computer, locate on the power button and press for a few seconds to power up the system. The Power-On Self Test (POST) runs automatically.

After the POST is completed, the computer reads the operating system from the hard disk drive into computer memory (this is commonly referred to as “booting” a computer). If your OS (Operating System such as Windows 7…. etc) is installed, it should start automatically.

To turn the computer off, save your work and close all open applications, click on **Start**, then **Shut Down** and select **Shut down the computer** and click "**Yes**" or press the power button for 4-6 seconds. (Abnormal shutdown)

Operating on Battery Power

Your Slim Notebook comes with a rechargeable battery pack that lets you operate the Slim Notebook without an external power source. When the battery pack is fully charged, you can operate the Slim Notebook under the following conditions:

- The battery pack initially has a full charge.
- No peripheral devices are installed.

Battery Charging

When Slim Notebook needs to be charged, please connect the AC Adapter while the other end to the power outlet on the wall. When the battery is charging, the Slim Notebook is still operable with AC Adapter. However, the time of charging can be shortened when the Slim Notebook is shutdown.

Checking the Battery Level

You can check the remaining battery power in Operating System battery status indicator.

Prolonging the Battery's Life and Usage Cycles

There are ways you can prolong the use of battery.

- Use the AC adapter wherever AC wall outlet is available. This will ensure uninterrupted computing.
- Make good use of the power management function. Save To Disk (Hibernate) saves the most energy by storing current system contents in a hard disk space reserved for this function.
- The life expectancy of the battery is approximately 300 recharges.

NOTE.... **To achieve optimal battery performance, you may need to do a battery calibration at a 3-month interval.**

Using Power (Optional)

Operating System Power Management provides basic power saving features. In the power configuration dialogue box, you may enter time-out values for display and hard disk drive.

Operating System power manager saves power by turning off hard drive after 1 minute of inactivity, for example.

NOTE.... Also consult Operating System user guide for more information on how to use Operating System power management functions. Actual dialogue box shown above may appear slightly different.

Suspend Mode

Standby Suspend

The system automatically enters this mode after a period of inactivity, which is set in the Power Scheme dialog box. In Standby mode, hardware devices, such as display panel and hard disk, are turned off to conserve energy.

Hibernate Suspend

In this mode, all system data are saved in the hard disk before powering down. When this mode is activated, all system state and contents are saved to the hard disk drive after a period of inactivity defined by the user.

No power or very little power is drawn from the battery module under this mode.

However, depending on how much RAM that has been installed on your Slim Notebook, the amount of time the system requires to restore all its previous contents can range from five to 20 seconds. Power

Power Button Action

The Slim Notebook power button can be set to turn off the system or activate the suspend mode under an operating systems environment.

LCD Care

LCD screens are delicate devices that need careful handling. Please pay attention to the following precautions:

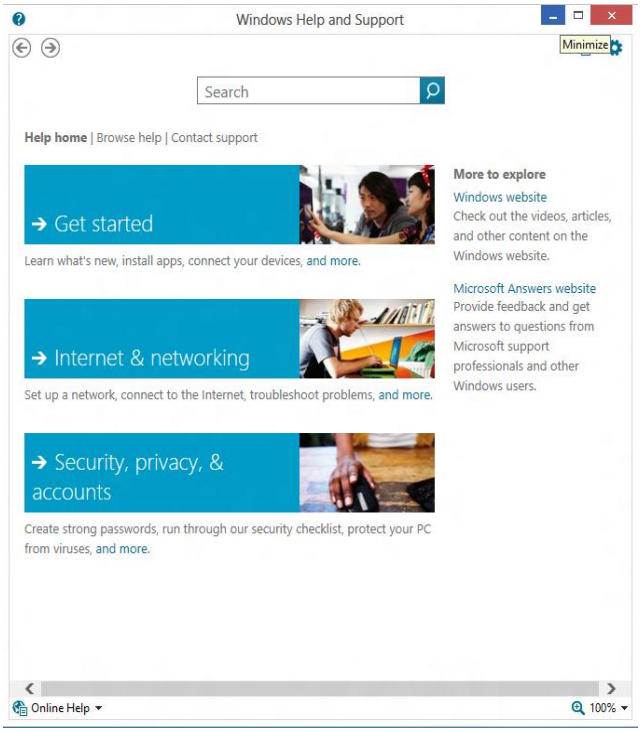
- When you are not using the computer, keep the LCD screen closed to protect it from dust.
- If you need to clean your LCD screen, use a soft tissue to gently wipe the LCD surface.

- Do not put your fingers or sharp objects directly on the surface and never spray cleaner directly onto the display.
- Do not press on, or store any objects on the cover when it is closed. Doing so may cause the LCD to break.

Using the Windows

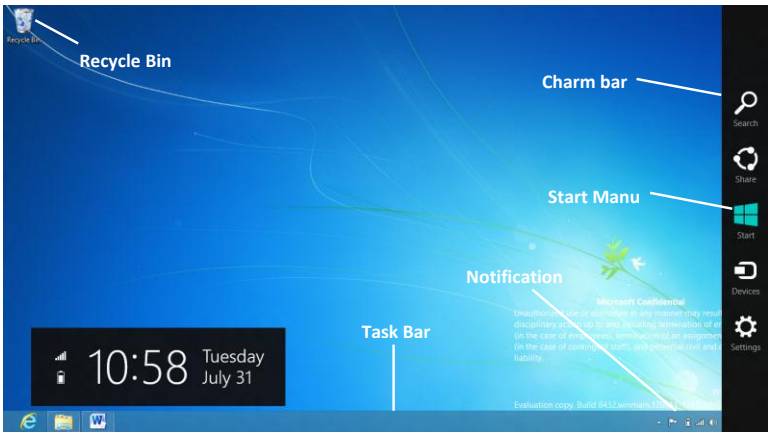
Help Windows

Click **Settings→ Help** icon will open the dialog box.


Windows Help and Support
Minimize
Search
Help home | Browse help | Contact support
Get started
Learn what's new, install apps, connect your devices, and more.
Internet & networking
Set up a network, connect to the Internet, troubleshoot problems, and more.
Security, privacy, & accounts
Create strong passwords, run through our security checklist, protect your PC from viruses, and more.
More to explore
Windows website
Check out the videos, articles, and other content on the Windows website.
Microsoft Answers website
Provide feedback and get answers to questions from Microsoft support professionals and other Windows users.
Online Help
100%

Desktop

Desktop may vary differently on the software installed in your notebook with different or additional shortcuts.

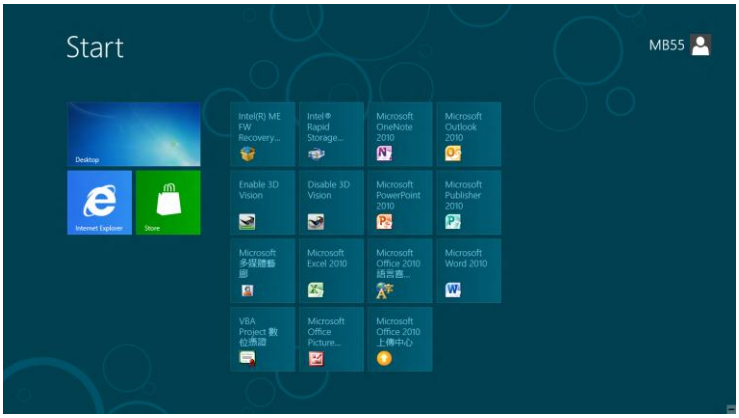


Recycle Bin

Used for storing deleted files in case you want to recover and save it in your system. The files will only be deleted from the Recycle Bin permanently only if you empty it by right clicking your mouse and select the “Empty Recycle Bin”.

Start Button

Allows easy access to all Windows programs.



The **Start** menu allows you to adapt and show the programs used most frequently. If you wish to keep an item, right click the item and click **Pin to Start menu**.

Taskbar

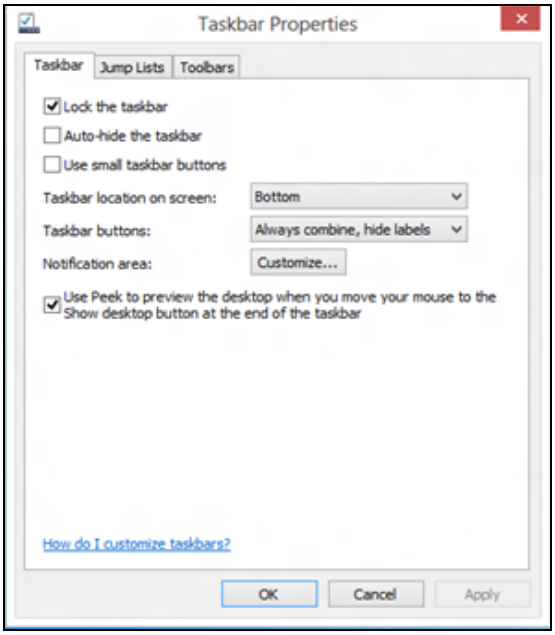
When you open a program, its icon is displayed at the taskbar for you to conveniently move between programs by clicking the relevant button.

To add or remove toolbars from the taskbar: right click an empty spot on the taskbar, select **Toolbars ➔ choose the toolbar you want to add**.

Notification

The icons that appear here are for quick access to some programs and computer functions that you frequently used. To prevent Windows from hiding icons:

From an empty spot on the **Taskbar**, right click your mouse and select the **Properties**, remove the checked mark on the **Auto-hide the taskbar**.



Control Panel

It is in this area that you can change how Windows looks and works.

Click **Settings ➔ Control Panel** dialog box.

Turning wireless devices on or off

You can use the Connection Manager to turn on and turn off wireless devices.

NOTE.... A computer may have a wireless button, a wireless switch, or a wireless key on the keyboard.

Using a WLAN

A wireless connection connects the computer to Wi-Fi networks, or WLANs. A WLAN is composed of other computers and accessories that are linked by a wireless router or a wireless access point.

Connecting to an existing WLAN

To connect to an existing WLAN:

1. Be sure that the WLAN device is on.)
2. Click the network icon in the notification area, at the far right of the taskbar.
3. Select your WLAN from the list.
4. Click Connect.

Using Bluetooth wireless devices

A Bluetooth device provides short-range wireless communications that replace the physical cable connections that traditionally link electronic devices such as the following:

- Computers
- Phones
- Imaging devices (cameras and printers)
- Audio devices
- Mouse

Bluetooth devices provide peer-to-peer capability that allows you to set up a personal area network (PAN) of Bluetooth devices. For information on configuring and using Bluetooth devices, refer to the Bluetooth software Help.

External cards and devices

Using Digital Media Slot cards (select models only)

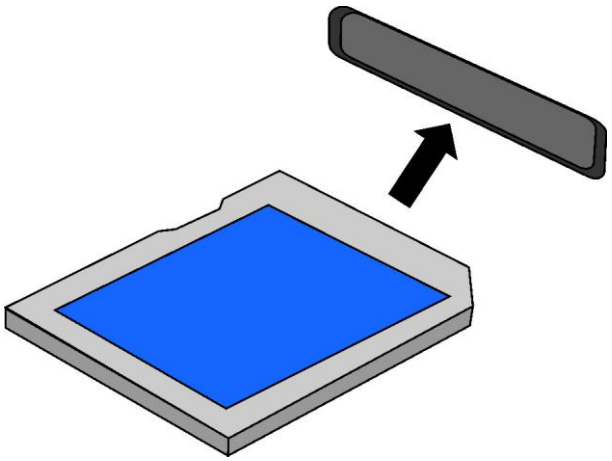
Optional digital cards provide secure data storage and convenient data sharing. These cards are often used with digital media–equipped cameras and PDAs as well as with other computers.

To determine the digital card formats that are supported on your computer, refer to the *Getting Started* guide.

Inserting a digital card

To reduce the risk of damage to the digital card connectors, use minimal force to insert a digital card.

- Hold the card label-side up, with the connectors facing the computer.
- Insert the card into the Digital Media Slot, and then press in on the card until it is firmly seated.

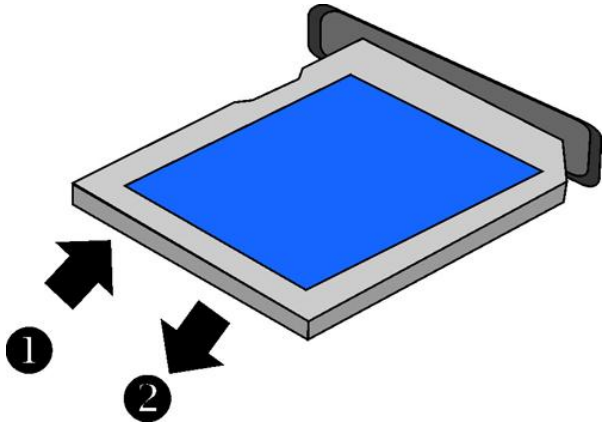


You will hear a sound when the device has been detected, and a menu of options may be displayed.

Removing a digital card

To reduce the risk of loss of data or an unresponsive system, use the following procedure to safely remove the digital card.

- Save your information and close all programs associated with the digital card.
- Click the remove hardware icon in the notification area, at the far right of the taskbar. Then follow the on-screen instructions.
- Press in on the card **(1)**, and then remove it from the slot **(2)**.



NOTE.... **If the card does not eject, pull the card out of the slot.**

High-Definition Multimedia Interface (HDMI)

HDMI (**High-Definition Multimedia Interface**) is a compact audio/video interface for transferring encrypted uncompressed digital audio/video data from a HDMI-compliant device ("the source" or "input") to a compatible digital audio device, computer monitor, video projector, and digital television.

There are a number of HDMI-standard cable connectors available, each of which can be used for any uncompressed TV or PC video format, including standard, enhanced, high definition and 3D video signals; up to 8 channels of compressed or uncompressed digital audio; a CEC (Consumer Electronics Control) connection; and an Ethernet data connection.

Universal Serial Bus 3.0 (USB)

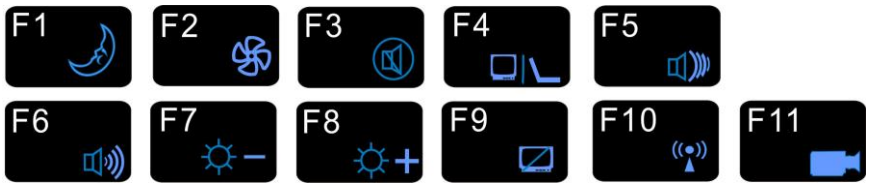
USB 3.0 is the third major revision of the Universal Serial Bus (USB) standard for computer connectivity. The USB 3.0 specification uses the same concepts of USB 2.0 but with many improvements and totally different implementation.

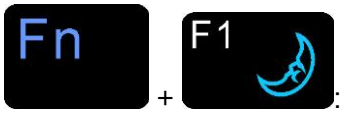
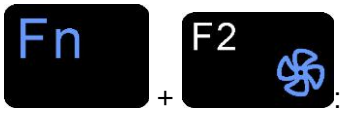
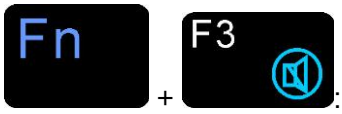
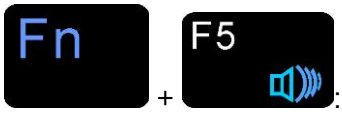
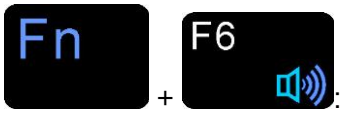
Removing a USB device

To reduce the risk of damage to a USB connector, do not pull on the cable to remove the USB device. To reduce the risk of loss of information or an unresponsive system, use the following procedure to safely remove the USB device.

- To remove a USB device, save your information and close all programs associated with the device.
- Remove the device.

Hot Key Controls



-  : Suspend
-  : Silent Mode
-  : Mute on/off
- : Display output switching
-  : Decrease the speaker volume
-  : Increase the speaker volume

-

: Decrease the brightness level
-

: Increase the brightness level
-

: Touch Pad disable/enable
-

: RF (WLAN+BT) on/off
-

: Webcam on/off

The TouchPad

The TouchPad is a rectangular electronic panel located just below your keyboard. You can use the static-sensitive panel of the touchpad and slit it to move the cursor. You can use the buttons below the touchpad as left and right mouse buttons.

The TouchPad offers another method of making selections in a software probram. It is called double-tapping. This function corresponds to double-clickin with a mouse. Once the cursor has been moved to the object you want to select, lightly double-tap the pressure sensitive TouchPad itself.

This double-tapping on the TouchPad will select the desired item and prompt the software to perform the related operation.

TouchPad Precautions

The TouchPad is a pressure sensitive device. Please take note of the following precautions.

- Make sure the TouchPad does not come into contact with dirt, liquids or grease.
- Do not touch the TouchPad if your fingers are dirty.
- Do not rest heavy objects on the TouchPad or the TouchPad buttons.

You can use the TouchPad with Microsoft Windows as well as non-Windows applications.

Running BIOS Setup

The Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/Output System). It runs and maintains a variety of hardware functions. It is menu-driven software, which allows you to easily configure and change the settings.

The BIOS contains manufacturers default settings for the computer's standard operations. However, there are occasions when you may be required to modify the default settings in the BIOS.

The BIOS allows you to set up passwords to limit access to users. This is an important feature because a great deal of vital information is carried within the computer nowadays. Unauthorized access can be prevented. Later in this chapter, you will learn how to use this security feature.

Entering the BIOS Setup Screen

First turn on the power. When the BIOS performs the POST (Power-On Self Test), press F2 key quickly to activate the BIOS Setup Utility.

NOTE.... You may need to press F2 key fairly quickly. Once the system begins to load Windows, you may have to retry by cycle-power on again

Leaving the BIOS Setup Screen

When you have finished modifying the BIOS settings, exit the BIOS. It takes a few seconds to record changes in the CMOS.

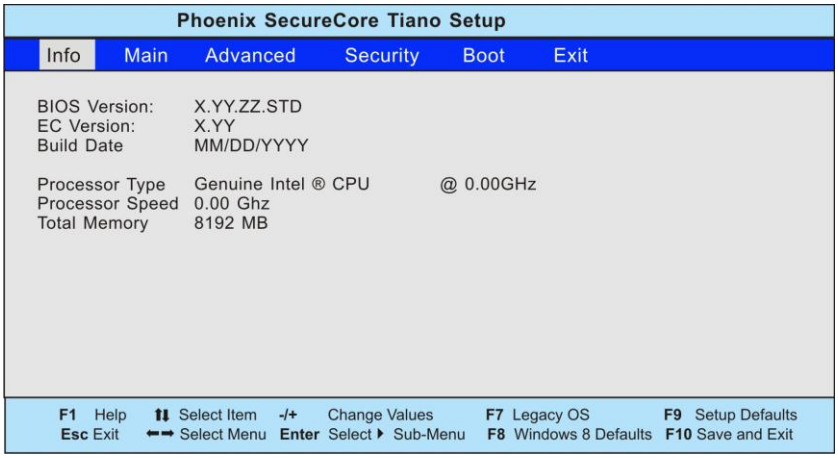
BIOS Action Keys

Function Key	Command	Description
ESC	Exit	Leaves a sub-menu to return to the previous menu OR exits the BIOS setup while saving changes.
Enter	Go to Sub Screen	Shows the Sub Menu
F1	General Help	Shows the Help Screen
F7	Lagacy OS Defaults	Load Legacy OS defaults
F8	Windows 8 Defaults	Load Windows 8 defaults
F9	Default	Set as default
F10	Save and Exit	Saves changes and reboots the computer.
<Tab>	Select a field	Selects the next field.
⇧	Select an item	Selects the next upper item.
⇩	Select an item	Selects the next lower item.
⇨	Select a menu	Selects the right item
⇦	Select a menu	Selects the left item
-	Lower value	Selects the lower value within a field.
+	Higher value	Selects the higher value within a field.

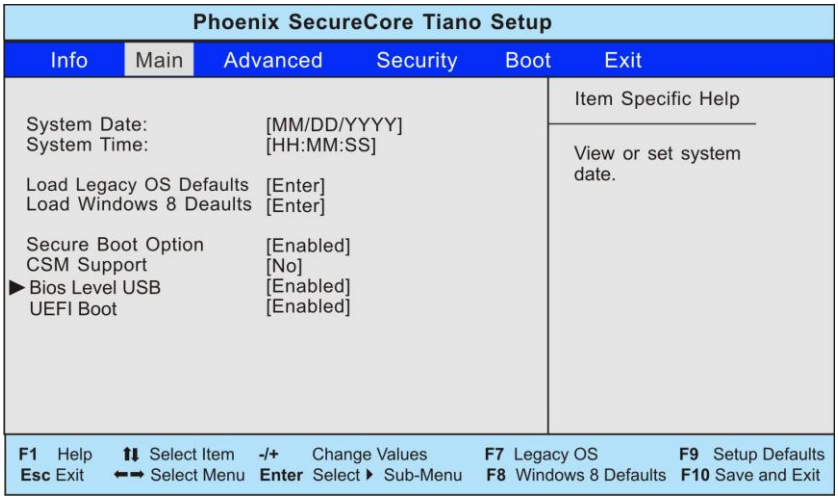
Modifying the BIOS Settings

The BIOS setup main menu is subdivided into sub-menus. Each menu item is described in this section.

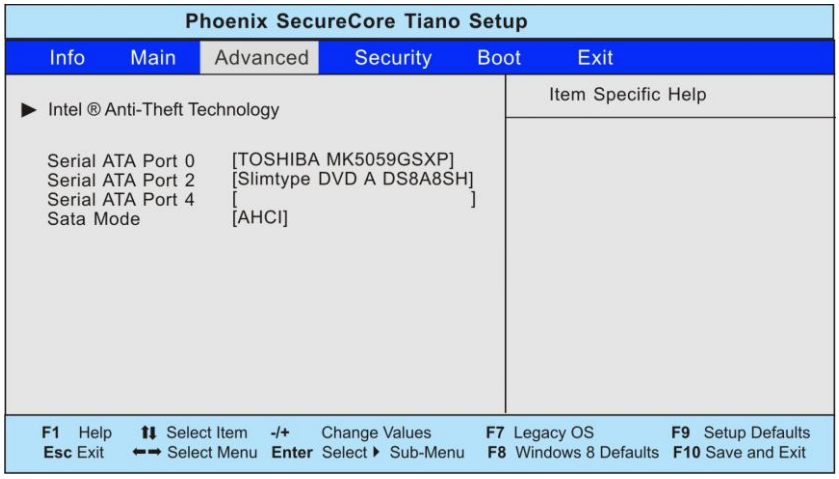
Info Setup

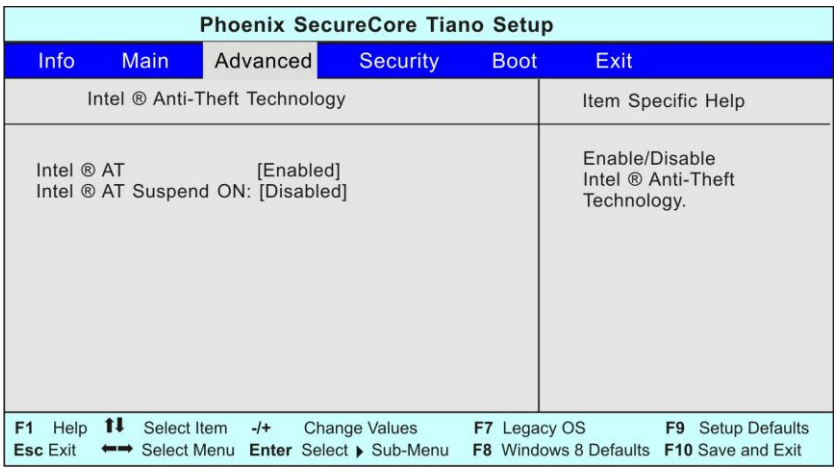

Phoenix SecureCore Tiano Setup
Info
Main
Advanced
Security
Boot
Exit
BIOS Version: X.YY.ZZ.STD
EC Version: X.YY
Build Date MM/DD/YYYY
Processor Type Genuine Intel ® CPU @ 0.00GHz
Processor Speed 0.00 Ghz
Total Memory 8192 MB
F1 Help ⇅ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ⇐⇒ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit

Main Setup

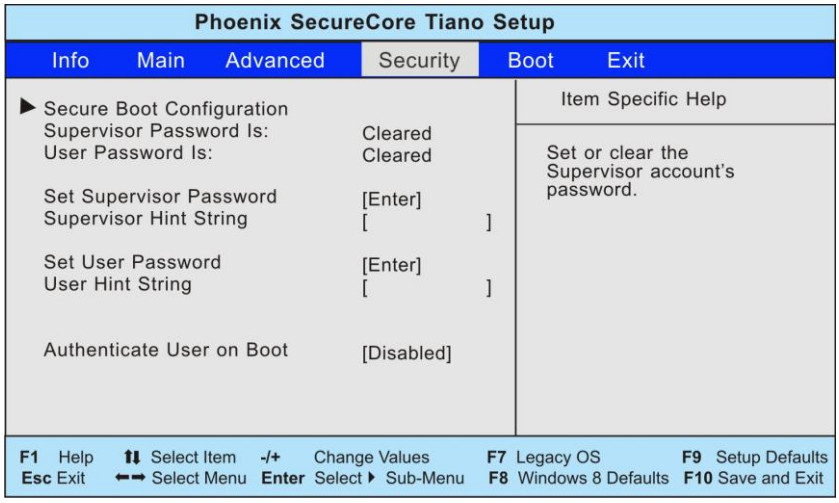

Phoenix SecureCore Tiano Setup
Info
Main
Advanced
Security
Boot
Exit
System Date: [MM/DD/YYYY]
System Time: [HH:MM:SS]
Load Legacy OS Defaults [Enter]
Load Windows 8 Deaults [Enter]
Secure Boot Option [Enabled]
CSM Support [No]
▶ Bios Level USB [Enabled]
UEFI Boot [Enabled]
Item Specific Help
View or set system date.
F1 Help ⇅ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ⇐⇒ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit

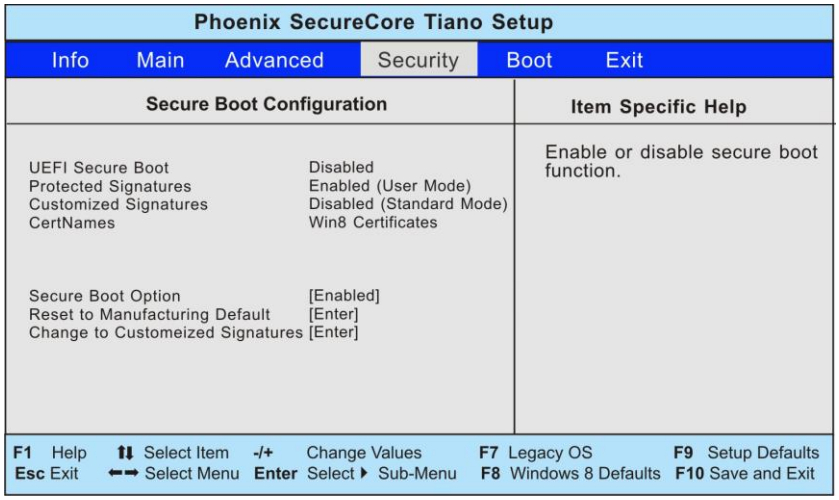
Advanced


Phoenix SecureCore Tiano Setup
Info Main Advanced Security Boot Exit
▶ Intel ® Anti-Theft Technology
Item Specific Help
Serial ATA Port 0 [TOSHIBA MK5059GSXP]
Serial ATA Port 2 [Slimtype DVD A DS8A8SH]
Serial ATA Port 4 [ ]
Sata Mode [AHCI]
F1 Help ⇅ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ⇔ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit

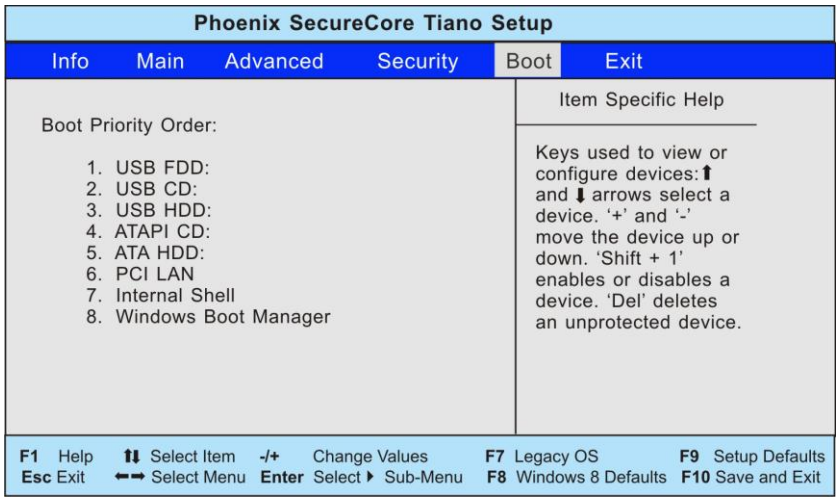

Phoenix SecureCore Tiano Setup
Info Main Advanced Security Boot Exit
Intel ® Anti-Theft Technology
Item Specific Help
Intel ® AT [Enabled]
Intel ® AT Suspend ON: [Disabled]
Enable/Disable
Intel ® Anti-Theft
Technology.
F1 Help ⇅ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ⇔ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit

Security

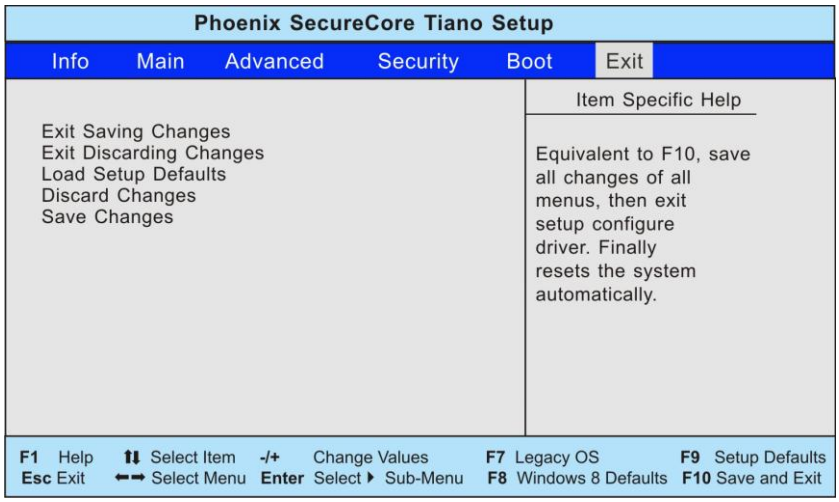

Phoenix SecureCore Tiano Setup
Info Main Advanced Security Boot Exit
▶ Secure Boot Configuration
Supervisor Password Is: Cleared
User Password Is: Cleared
Set Supervisor Password [Enter]
Supervisor Hint String [ ]
Set User Password [Enter]
User Hint String [ ]
Authenticate User on Boot [Disabled]
Item Specific Help
Set or clear the Supervisor account's password.
F1 Help ⇅ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ⇆ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit


Phoenix SecureCore Tiano Setup
Info Main Advanced Security Boot Exit
Secure Boot Configuration
UEFI Secure Boot Disabled
Protected Signatures Enabled (User Mode)
Customized Signatures Disabled (Standard Mode)
CertNames Win8 Certificates
Secure Boot Option [Enabled]
Reset to Manufacturing Default [Enter]
Change to Customeized Signatures [Enter]
Item Specific Help
Enable or disable secure boot function.
F1 Help ⇅ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ⇆ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit

Boot Setup


Phoenix SecureCore Tiano Setup
Info
Main
Advanced
Security
Boot
Exit
Boot Priority Order:
1. USB FDD:
2. USB CD:
3. USB HDD:
4. ATAPI CD:
5. ATA HDD:
6. PCI LAN
7. Internal Shell
8. Windows Boot Manager
Item Specific Help
Keys used to view or configure devices: ↑ and ↓ arrows select a device. '+' and '-' move the device up or down. 'Shift + 1' enables or disables a device. 'Del' deletes an unprotected device.
F1 Help ↑↓ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ←→ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit

Exit Setup


Phoenix SecureCore Tiano Setup
Info
Main
Advanced
Security
Boot
Exit
Exit Saving Changes
Exit Discarding Changes
Load Setup Defaults
Discard Changes
Save Changes
Item Specific Help
Equivalent to F10, save all changes of all menus, then exit setup configure driver. Finally resets the system automatically.
F1 Help ↑↓ Select Item -/+ Change Values F7 Legacy OS F9 Setup Defaults
Esc Exit ←→ Select Menu Enter Select ▸ Sub-Menu F8 Windows 8 Defaults F10 Save and Exit

Checking Cables and Connections

Start by performing a careful visual inspection of the exterior of the computer. If no LEDs are illuminated, make sure that your computer and its peripherals are getting power and communicating with each other properly.

To check the power cables, and connections:

1. If you have been using battery power, connect the Notebook to an external power source and make sure that the battery has a charge.
2. If you are using the computer with the AC adapter, check the power outlet, the power cord, and any power switches that may affect your computer.
   - Check the wall outlet or power strip with an item that you know is functioning properly. A lamp or radio is a convenient item for checking the power. You may also need to check the fuses and breakers in your electric box.
   - If the outlet is controlled by a wall switch, make sure that the switch is on.
   - If the outlet is controlled by a dimmer switch, use a different outlet.
   - If your computer is plugged into a power strip with an On/Off switch, make sure the switch is on.
3. With the computer's power switched off, check all cable connections. If the computer is connected to any peripheral devices, look for loose or disconnected cables.

If the computer is too close to a wall, a cable connection may be loose or the cables may be crimped.

NOTE.... **Do not substitute cables for different devices (other than the manufacturer recommended cables) even if they look exactly alike. The wiring inside the cable may be different.**

4. When you are certain that you have power available and all connections are good, turn the computer on again. If the computer still does not start, you may have a hardware problem.

General Hardware Problems

The display screen is dark.

Make sure that the computer is not in Suspend mode. Check the Brightness and Contrast controls for the screen. If the controls are turned too low, the screen will be dark.

You hear irregular beeps during operation of the Slim Notebook and the system halts.

Contact technical support.

An unindentified message is displayed.

Reboot the computer and run the BIOS system setup. Confirm the Setup parameters. If the same message is displayed again after boot up, contact the technical support.

Detailed Specifications

Processor	•	Sandy Bridge or Ivy Bridge
Operating System Compliance	•	Support Windows 7 Home Premium (64bit)
	•	Support Windows 7 Home Premium (32bit)
	•	Support Windows 8 (Optional)
Core Logic	•	Intel Panther Point HHM76 or HM70 (Only support Pentium/Celeron CPU)
GPU	•	nVIDIA N13P-GL (GeForce GT 630M)
Video Controller	•	nVIDIA (N13P-GL)
Memory	•	DDR3 speed up to 1066/1333/1600MHz
Audio Codec	•	Realtek ALC269Q-VB6-GR
Audio Controller	•	Integrated in Panther Point High Definition Audio controller
WLAN/Bluetooth Combo	•	Half-Mini Card type
	•	IEEE 802.11 B/G/N
	•	BT 4.0
WLAN	•	Half-Mini Card type
	•	IEEE 802.11 B/G/N (1x1)
LAN Controller	•	Supports 10/100/1000Mb/sec

LCD	•	15.6” HD (high definition), 1366 x 768 resolution
Card reader	•	Support 6-in-1 (SD, SDHC, SDXC, MMC, MS, MS Pro) memory card
ODD	•	Z-height 9.5 mm
	•	Support SATA interface
Hard Drive	•	320GB/500GB/750GB
	•	Support SATA 2.0, SATA 3.0
Webcam	•	Build in Camera module
	•	1.3M HD & 1.3M
TouchPad	•	PS2 Touch Pad with 2 buttons
	•	Support multi-gesture function (w/driver)
Keyboard	•	348mm length Isolated Flat type K/B with tray w/ 4 row numeric key
	•	US 102 Keys / UK 103 Keys KB supported
Battery	•	6 Cells w/ SW Gas Gauge Battery Li-on 4400mAh (3S2P)
	•	8 Cells w/ SW Gas Gauge Battery Li-on 4400mAh (4S2P)
Interface Ports	•	2 x USB 2.0 ports (Right side)
	•	2 x USB 3.0 ports (Left side)
	•	1 x DC-in Jack
	•	1 x RJ45 Ethernet
	•	1 x CRT (D-Sub)
	•	1 x HDMI v1.4a
	•	1 x 6 in 1 card reader socket
	•	1 x Kensington lock
	•	2 x Audio jacks:

		External microphone in + line in jack External headphone out jack 3.5mm
MMB	•	Recovery (for Windows 7), Silent mode, Touchpad lock, Graphic switch, Media player application, Play/Pause, Stop mode, volume down, volume up on
AC Adapter	•	Automatics Voltage adjustment between 100 and 240VAC, 50/60Hz, LV5 -19V, 90Watts, 2Pin & 3Pin
	•	Energy Star compliance
	•	Gallopwire Enterprise Co., Ltd. ➢ MT50-3S4400-G1L3 ➢ MT50-4S4400-G1L3
	•	SIMPLO TECHNOLOGY Co., LTD ➢ SMP - MT50-3S4400-S1N3. ➢ SMP - MT50-3S4400-S1L3 ➢ SMP - MT50-4S4400-S1N3 ➢ SMP - MT50-4S4400-S1L3
Dimension	•	380.0mm(W) x 258mm(D) x 26.0mm~27.8mm(H) (w/ODD) (w/o rubber foot)(w/o battery pack)
	•	380.0mm(W) x 258mm(D) x 26.0mm~31.7mm(H) (w/ODD, rubber foot and battery pack)
Weight	•	Under 2.4kg w/ 6 cell battery (w/ODD)
	•	Under 2.55kg w/ 8 cell battery (w/ODD)

EMI	•	CE
RF	•	R&TTE
Safety	•	CB
	•	WEEE Compliance
	•	RoHS Compliance
	•	Energy Star 5.2
	•	EUP LOT6